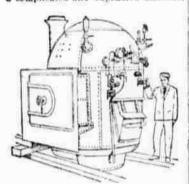


NEW RAILROAD MOTOR.

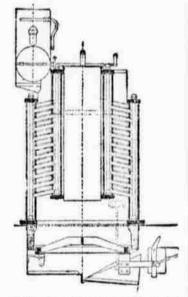
A Successful Device Which Is Attracting Much Attention in Europe.

For very many reasons, among which not the least is the sharp competition anxious for a cheaper and simpler motrains and infrequent service, but it is intervals extend clear around the raft. a complicated and expensive machine,



OUTSIDE VIEW OF BOILER.

and requires the services of a highly skilled engineer. What is needed is something with the simplicity of an ordinary motor car on a street tramway. Several experiments are being tried in this country, says the National Trib-une, and which look very hopeful, with an ordinary passenger car to which a ensoline motor has been attached. This is not only run quite cheaply, so far fuel is concerned, but it needs no water tanks, and any man capable of running a gasoline engine can run it and also act as conductor. Therefore it can make frequent trips, charge a low rate of fare, and yet return a profit. It is thought that this device will be quite useful on many of the western roads where It does not pay to run a regular train more than once or twice a day. and then these, in order to be profitable, have to make long trips and strike points at inconvenient hours. points at inconvenient hours. It ap-poars that even in Europe, thickly set-tled as it is, there are the same needs and difficulties. To day more than 100 different types of motors are in use in various parts of Europe, and they have a rule been quite successful, carrying freight and passengers at a profit where with an ordinary train of a locomotive and tender with two or three cars there. The big raft is being constructed under has been a loss. One of the most inter esting of these motors, and which has attracted unusual attention, is that of London and Buda-Pesth. It differs a profit of \$50,000 or more. from the others in using steam as the inches in height by six feet in diameter. fitted up with 295 return tubes and has ling engine, each log being left in the a grate area of nine square feet and a heating surface of over 500 square feet. The furnace is of hemispherical shape and pressed hydraulically from a sinrie flat plate, so that there are no seams of rivets exposed to the action turesome in the extreme, says the Naof the fire. The return tubes are so arranged as to superheat the steam, sanguine of success. The cost of buildi-The motor is slung from the frame-



SECTION OF WATER TUBE BOILER OF PEEBLES GEAR DOWN STEAM

work by a spring suspension with flex thie connection with the boiler and all the working parts inclosed in water and dust-proof easings and run in an oil bath, which reduces the wear and tear to the minimum. The greatest novelty. hough, is that the engine is connected with the wheels by the same gearing used in electric vehicles. Between the rank-shaft and the driving-axle is inroduced an intermediate shaft carrying three gear wheels. These give the lifferent rates of speed and better control of the vehicle. The half-speed gear s used for starting and for heavy gradi-So far it has seemed that this method of propulsion is cheaper even han gasoline or electricity. With a 35-horse-power motor the fuel consumed everages 6.5 pounds per hour and the total running cost six cents a mile, which ncludes fuel, oil, attendance, etc. The car will carry 33 passengers and can reach a speed of 60 miles an hour. On he state railroads of Wurtemberg hese engines have been run cheaper than the Daimler gasoline motors, and similar results have been obtained apon the Hungarian railroads and in

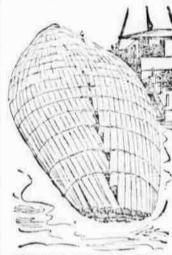
RAFTING ACROSS PACIFIC.

Ten Million Feet of Lumber Lashed Together Into Largest Raft Ever Built.

The largest raft ever built will atempt the longest voyage ever made by a raft. Ten million feet of the finest Oregon lumber, valued at \$75,000 will leave the Columbia river for China. Monster logs from 100 to 200 feet in length are being assembled in an exacgerated cigar shape, by means of "cradle"—a Canadian idea. The cradle looks like the skeleton framework of a great ship. The raft extends many in many localities of the electric tram | feet under water and arches ten feet ways, ratiroad men have been for years above. One hundred and fifty tons of mammoth chain binds the mass. One tive power than the locomotive. The main chain extends from end to end; locomotive is all right for long, heavy from this belt chains placed at frequent

When the raft is finished the cradle separates into two particley the removal of key pins, and the parts are hauled hawser as large around as a man's body will serve as the tow rope. Two sea-going tugs will tow the raft, burning oil, which will be supplied by an oil ship which will accompany the "fleet.

Such a raft could be constructed no-where ober in the world, for in no other country can be found the glant trees and the necessary facilities for forming them into a raft. The illustration shows a 700-foot raft which successfully made a trip from the Columbia river to San Francisco in ten days. Several previous attempts at ocean rafting have not with failure, the rafts going to pieces during a storm. The floating logs constitute a great danger to navigation, and flust to great distances. Pieces of one Oregon raft were found months later thousands miles away on the coasts of Hawaii and Mexico. Improvements and additional safeguards have since been made,



A SEVEN HUNDRED-FOOT BAFT.

the superintendency of Hugh R. Robertson, the father of ocean giant log rafting, if this one safely makes the voyage the Peobles Steam Car company, of of over 6,000 miles it is expected to not

The logs composing the raft will be motive power, and has a boiler of used for spars and piling. In holsing unique construction. It is nine feet six them into the craftle, they are lifted one by one by a derrick operated by a hoistexact position it is to occupy on the long voyage. A daring logger rides every log on its accessw course through the air.

guiding its descent. The enterprise is looked upon as ventional Tribune, though the builders are ing the raft is enormous, the emile alone costing thousands of dollars.

SKILL OF THE ANCIENTS.

Attempts Which Were Made Centuries Ago at Anatomical Repairs.

"What is known to modern dentists as bridge work was familiar to the Etruscans, as extant spectmens attest." says the British Medical Journal. Plaster cars, noses and were common among the lac the Indian . where the cutting off of these features was a punishment much in use; and Greek and Roman veterans who had lost a log or an arm in war tried make good the deficiency by artifulal We read further:

"What is said to be the oldest ac ficial leg in existence is fow in the museum of the Royal College of Surg-Roman warrior who, a century and a half before the birth of Christ, wore an artificial hand with which he was able to handle a sword. In the middle ages artificial limbs sometimes repaired the disablements of war. The 'iron hand' of Goetz von Berlichingen was an ingenious piece of mechanism made for that famous knight in 1504. A century later an artificial hand was worn by Christian, duke of Brunswick. Ambrose Pare devised artificial limbe with movable joints which were made for him by artificers, of whom Lorraine, a locksmith, was the most famous. Pare devotes a special chapter to the means of repairing or supplying natural or accidental defects in the human body. He describes artificial eyes and noses, on artificial tongue and an artificial palate. At a inter period Father Sebastian, a Carmelite monk, made movable arms and hands. In the earlier part of the seventeenth century Peter Lowe, in his Discourses of the Whole Art of Cffirurgery, gives representations of artificial legs. About the middle of the same century Falcinelli, a Florentine surgeon, mentions the use of artificial eyes of silver, gold and crystal painted in various colors; he also describes artificial ears made of the same metals. and fixed by strings to the head or stitened into the skin with gold or silver wire. Silver poses are said to have been in was at up earlier date."

COUNTRY LIFE IN A FLAT.

Odd Scheme of a City Dweller Who Longs for an Outdoor Life.

A bachelor in upper New York leased an entire floor in an apartment house before it was completed with the understanding that he was to have it nuished and furnish it according to his own fancy. He is fond of rural life. says the Sun, but his business does not permit him to live out of town. In order to have his surroundings harmonize with his notions he has had his quarters arranged this way:

His reception room is of unfinished timber, resembling hewed logs. The ceffing shows the rafters. tric bulbs are inclosed in perforated tin resembling the old-fashioned tin iau-

Beyond is the tepee, utilized as & smoking room. It is separated from the sleeping apartment by cedar poles out of the way. An immense manila in the rough, constructed to resemble a rail fence. The tepce is arranged like a tent. A big iron kettle is suspended from a crane in the center. This is the ash receiver. The floor is covered with animal runs. A corlection of bows and arrows and tomahawks, Lorns, scalping knives and imtation scalps completes the scheme.

In the room next fowling pieces, guns, rifles, pikes, fish nets and spurs are in eridence. A big, rough board hous flasks of various sizes, glasses, tumblers and cups. The flasks contain any brand which the thirsty visitor may desire. A coon skin is tacked over the bar and benches take the place of chairs.

A fence divides the "trough" from the next room, which is arranged to represent the back yard of a country home, with a dog kennel near do gate and a well box, with a sweets, On one corner stands the bucket, and a dipper and an old goard hang on the box. The picture is realistic, but the windless is never turned.

Back of this is the end of a barn The door is painted red. In an open square near by is the painted head of horse, looking out as naturally as if it was about to whimpy for its onts.

A loose plank walk leads from the barn to the bathroom, which is concealed from view by what looks like a huch board fence. Its equipments are about the only modern equipments on the entire floor.

CHURN BUTTER AT TABLE.

Novelty in Dairy Machines Introduced in London with Good Effect.

Londoners recently had an opportunity in their dairy show to see a novelty machines which may modify our breakfasts considerably and usually much to their advantage. Epicures long ago found out that the only way to have satisfactory ten or coffee is to make it yourself on the table. With butter such proceeding would have been out of the question, and we have all been dependent on the dairyman and the groer, who, alast too often inflict on their customers a rancid boraxed substance better suited for axles than for stom-

In French and German markets it is easy to get sweet butter every morning fresh from the country. In English and American cities it is arbitom possible to do this, wherefore we ought to bloss the inventor of the new machine referred to-a churn which makes butter in 80 seconds. "It is so handy," we are told, that it might very well be placed on the ten table as an accessory to the cups and reapot and yet not look out of place. Given the requisite amount of cream, with a temperature of 60 degrees, butter can be made at any time when de-

Such an invention is really of greater importance than it may appear at first There is high medical authority for the assertion that there is nothing Americans need so much as a greater supply of easily digested fat butter is the best of these fats, and the more pure and tempting we can make it the more will dyspeptics, invalids and all hard workers be benefited

Modern Love-Making

Courtship is dead. Young men no longer make passionate avowals, they never start when she approaches, they do not grow pallid with jealousy if ery, of England. It was found in a another seems to be in favor, they cortomb at Capua. Pluny spenks of a tainly do not write somets to their tainly do not write sonnets to their mistress' eyebrow - in fact, they scarcely even go so far as to write her a letter, and if they do go to this length the result is never worth republishing in book form. Lovers do not talk about their hearts, and so on, and if engagements are terminated the severed twain have no scruples about subsequently meeting each oth-

In novels something must be done to make up for the unromantic spirit of the age, so awful situations have to be invented for hapless heroines, who either have to kill themsesives or be killed or die in Imatic asylums or convents.-London World,

America's "Good" Women.

There are many varieties of good women in the world, some passive and others active, some subjective and others aggressive. The good American woman is the most active and aggressive of ner sex. She exercises .the strictest discipline over her own fam-She has the most decided convictions on social questions. In nine cases out of ten she is an anti-drinker, er, anti-smoker, anti-gambler.-Blackwood's Magazine.

Like a Politician.

Lawson-Bjones always thinks be fore he speaks, doesn't he? Dawson-Yes, but then be doesn't always say what he thinks .- Somer ville Journal.

CONGRESS AND THE ISSUES

Position of the Parties on All the Great Questions to Be Decided.

The great questions before congress The Isthmian canal, railroad rate legislation, the Philippine tariff bill, the Santo Domingo treaty and join statenood for Oklahoma and Indian territory and for Arizona and New Mexico. There are a large number of Republican congressmen who are opposed to all these measures, some hon estly disagreeing with the policies involved and others because they would like to "hold up" the president of their party and yet others for reasons that will hardly bear the light of day. The Democrats favor voting all the money necessary to build the Panama canal with proper restrictions to protect the people of the United States from waste and extravagance. They advocate the easonable rates. They favor the Philppine tariff bid as a step in the right urection towards honest and fair dealing with our unfortunate subjects in those islands. They are for joint statebood for Oklahoma and Indian territories, but do not want to force joint statehood on Arizona and New Mexico without giving the people of each of hose territories the right to decide the juestion of joint statehood by referdum vote, the administration proramme being to force them in as one

The Santo Domingo treaty, with which is more or less coupled the Venezuela issue, is a matter of state and only the president and the senate feal with it, and, as the debates are secret, it is not yet certain what action will be taken. On general principles, nowever, the Democrats disapprove of my treaty or arrangement that looks towards a protectorate over any foreign people and an entangling alliance with any foreign power is especially distasteful to them.

The Republican leaders have determined to not allow the tariff question, other than for the Philippines, to be onaldered, and as they control the ammittee on ways and means, to which all revenue bills are referred, here will be no opportunity given to onsider that important issue. The Democrats, of course, favor a revision of the tariff so that trust products cannot be sold abroad cheaper than here and a revision of the schedules that would reduce prices on trust products to a reasonable basis, while at the came thee producing enough revenue to support the government, honesily and economically administered.

There are other minor issues that the Republicans have brought forward, such as ship subslify, which it is unnecessary to say the Democrats vigorously oppose, on the general principle of opposition to all subsidies

The voters of the United States will called upon next fall to decide which party has taken the position for he greatest benefit of all the people, and the majority of the voters who believe in equal rights to all and special privileges to none cannot but approve the Democratic position on all these issues and cannot indorse the Repubtican sine of omission and commission, with their protection of special inter-

POLITICAL COMMENT

What we need in Panama is more money paid out in wages and less in salaries. - Los Angeles Herald.

-Cole Younger once saved the life

- Channey Depew's latest vindl- Globe-Democrat. tion consists in the fact that the legislature failed to request him to get out of office. Chicago Dally News.

It seems easy enough to get a new tariff law for the Philippines, but it is a mighty hard matter to get a revision for the United States - Savannah News

-"A big slump in our trade with Germany is imminent," say the dispatches from Washington. The mey table stand-pat penalty.-Atlanta Constitution.

-Commissioner Carfield says the beef trust is too big for any one state to handle. Still, the beef trust is an the list of protected "infant industries - Washington Post.

John Morley, soon after he had visited the president at the White House, is said to have remarked: "He is a sort of cross between St. George and St. Vitua."-Chicago Chronicle (Rep.).

Secretary Root may not have been Miplomatic but he was deadly accurate in his talk to the house appropriations committee about the defects of our consular system. The reason it is not better is that congress does not went it to be better. It is congress that maintains the vicious practice of keeping a consular position as a shelf for a divabled politician if not as a snug berth for an ignorant but efficient political worker. Mr. Root pointed out that a bill to remedy these evils had been introduced in the senate, but that nearly all the reforming energy had been taken out of it by the committee which reported it.-N. Y. Post.

-Much as he admires Mr. Roos velt, Jacob Rils is so broad-minded that he admits Washington and Lincoln to membership in the same class with his friend, the president.-Chicago Daily

-It does not surprise the Philadelph's North American that there is in congress a feeling of bitter hostility to the president, and a determined purpose to thwart him, and to harnss him during the present session. The unpleasant fact is that the men in con gress who ought to represent the peop many cases represent interests strongly hostile to the people

Tumors Conquered Without Operations

Unqualified Success of Lydia E. Pinkham's Vegetable Compound in Cases of Mrs. Fox and Miss Adams.



One of the greatest triumphs of Lydia

E. Pinkham's Vegetable Compound is
the conquering of woman's dread
enemy, Tumor.

Secalled "wandering pains" may
come from 'ts early stages, or the prescace of danger may be made manifest
by excessive monthly periods accompanied by unusual pain extending from
the abdomen through the groin and
the abdomen through the groin and
the abdomen through the groin and

Eighteen months ago my periods open. Shortly after I felt so builty I mile stopped. Shortly after I felt so badly I submitted to a therough examination by a physcian, and was told that I had a tumor
and would have to undergo an operation.

"I soon after read one of your advertisements and decided to give Lydia E. Pinkhain's Vegetable Compound a trial. After
taking five buttles as directed, the tumor is
entirely gone. I have again been examined

of or advice.

One of the greatest triumphs of Lydia by the physician and be says I have no signs

by excessive monthly periods accompanied by unusual pain extending from the abdomen through the groin and thighs.

If you have mysterious pains, if there are indications of inflammation, ulceration or displacement, don't wait for time to confirm your fears and go through the horrors of a hospital operation; secure Lydia E. Pinkham's Vegetable Compound at once and begin its use and write Mrs. Pinkham of Lynn, Mass., for advice.

Bead these strong letters from grateful women who have been cured:

Dear Mrs. Finkham:— (First Letter.)

'In booking over your book I see that your medicine cures Tumors. I have been to a dector and be tells mat I have a timor.'

'It lake the liberty to congratulate your on the success I have had with your wondering medicine.

'Eighteen months ago my perfels stopped Shortly after I felt so hadly I gub.

Such unquestionable testimony middle to the stationary and store the meaths the filter of the compound, and works that success I have had with your wondering medicine.

'Eighteen months ago my perfels stopped Shortly after I felt so hadly I gub.

Such unquestionable testimony middle to the stationary and the stationary after I felt so hadly I gub.

Such unquestionable testimony proves the value of Lydia E. Pinkham's Vegetable Compound, and should give confidence and hope to every sick

Mrs. Pinkham invites all alling women to write to her at Lynn, Mass.,

Lydla E. Pinkham's Vegetable Compound; a Woman's Remedy for Women's His-

"They've found our nowadays," observed Uncle Jerry Peebles, "that a man can drugest in feed without a stomach, and talk without a tangue; but I know usen that manage to live and get along all right without any brains"—Chrosgo Trabune.

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When a min steals a store and tells it.

of Steve Elkins, but a renerous country has never laid it up nguinst him.—Chicago Tribune (Rep.).

—Chauneey Depaw's latest vindi-

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A QUICK, SURE SAFE AND ALWAYS READY CURE FOR PAIN, PRICE
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TILL THE PAIN COMES-KEEP A TUBE HANDY. A substitute for and superior to mustard or any other plaster, and will not blister the most delicate skin. The pain-aliaying and curative qualities of this article are wonderful. It will stop the toothache at once, and relieve Headache and Sciation. We recommend it as the best and safest external counter-irritant known, also as an external remedy for pains in the chest and stemach and all Rheumatic, Neuralgic and Gouty complaints. A trial will prove what we claim for it, and it will be found to be invaluable in the household and for children. Once used no family will be without it. Many people say "it is the best of all your preparations." Accept no preparation of vaseline unless the same carries our label, as otherwise it is not genuine.

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